

Preliminary DRAFT Issaquah Creek Chinook Population - Tier I - Initial Habitat Project List

Includes Potential Restoration and Protection Projects by Reach.

Middle Issaquah Creek Reaches 11-12

Reach 11: Issaquah Creek from confluence with McDonald Creek to Cedar Grove Rd

Restoration

Technical Hypothesis:

| Project # | Reach # | NTAA # | NTAA Name & Description | Approx. Cost | Notes, Key Uncertainties | Benefits to Chinook H, M, L | Feasibil. H, M, L |
|-----------|---------|-------------|--|--------------|---|--------------------------------|----------------------|
| I239 | 11 | Issaquah 5 | Log Cabin Site Restoration (RM 8.4-10): Minor restoration needed for this protected site. Remove non-native plants and plant with native vegetation. Potential site for removal of bank hardening in upper portion of property. | | Addition of LWD initially called for in NTAA, but reach has extensive LWD and additional LWD may not be needed. Some old riprap exists in the upper portion of this site. | | |
| I240 | 11 | Issaquah 6e | Potential Sites for Removal of Bank Hardening: Four Creek subdivision. | | Site includes several expensive homes that would need to be protected. | | |
| I241 | 11 | new | Water Quality Management: Coordinate with Dept. of Ecology and others to identify on-site sewer failures, particularly in riparian areas. | | Although fecal coliform does not appear to be a direct threat to Chinook, household chemicals, heavy metals, and high temps associated with failed septics may be problematic for fish. | | |
| I242 | 11 | new | Lawn Care Water Quality Management: Continue to work with private landowners to reduce water quality problems associated with lawn care practices. | | | | |
| I243 | 11 | new | Riparian Restoration: Work with private landowners to remove exotic species and improve riparian cover. | | | | |

Protection

Technical Hypothesis: Pool habitat and the habitat features that support the creation of pool habitat (LWD, riparian function, and channel connectivity) should be maintained.

| Project # | Reach # | Exist. Prot. Priority (Y/N) | NTAA # | NTAA Name & Description | Approx. Cost | Notes, Key Uncertainties | Benefits to Chinook H, M, L | Feasibil. H, M, L |
|-----------|---------|-----------------------------|--------|--|--------------|---|--------------------------------|----------------------|
| I244 | 11 | | 2a/h | Habitat Protection: Continue to implement Issaquah Creek/Lake Sammamish Waterways Program to protect best remaining habitat including Mainstem Issaquah Creek/Log Cabin Reach (RM 8.4-10, 155 acres). | | Project funded (SRFB, CFT). 118 acres acquired. 2 Additional parcels are currently in process of acquisition. | H | H |

Reach 12: Issaquah Creek from Cedar Grove Rd to confluence with Holder and Carey creeks

Restoration

Technical Hypothesis:

| Project # | Reach # | NTAA # | NTAA Name & Description | Approx. Cost | Notes, Key Uncertainties | Benefits to Chinook H, M, L | Feasibil. H, M, L |
|-----------|---------|--------|---|--------------|---|-----------------------------|-------------------|
| I245 | 12 | new | Agricultural Water Quality Management/Buffers: Work with private property owners of grazing land to expand riparian buffers. Potential to work with King Conservation District to implement BMPs and Farm Plans. | | Concern was expressed that Farm Plan buffers may be insufficient, and that efforts should be made to buffers more appropriate to the meandering nature of Issaquah Creek. Therefore >25ft buffers should be encouraged. | | |
| I246 | 12 | new | Riparian Restoration: Work with private landowners to remove exotic plant species and improve riparian cover. | | | | |
| I247 | 12 | new | Water Quality Management: Coordinate with Dept. of Ecology and others to identify on-site sewer failures, particularly in riparian areas. | | Although fecal coliform does not appear to be a direct threat to Chinook, household chemicals, heavy metals, and high temps associated with failed septics may be problematic for fish. | | |
| I248 | 12 | new | Carey/Holder/Issaquah Creek Confluence: 120 acre site proposed for conservation easement. Once protected, restore riparian vegetation, add livestock fencing, and implement other best management practices for livestock. | | | | |

Protection

Technical Hypothesis: Pool habitat and the habitat features that support the creation of pool habitat (LWD, riparian function, and channel connectivity) should be maintained.

| Project # | Reach # | Exist. Prot. Priority (Y/N) | NTAA # | NTAA Name & Description | Approx. Cost | Notes, Key Uncertainties | Benefits to Chinook H, M, L | Feasibil. H, M, L |
|-----------|---------|-----------------------------|--------|--|-------------------------------|--------------------------|-----------------------------|-------------------|
| I249 | 12 | | 2e | Habitat Protection: Continue to implement Issaquah Creek/Lake Sammamish Waterways Program to protect best remaining habitat including Issaquah Mainstem (SE 156th Street to 252nd Avenue SE). In particular acquire several large parcels adjacent to the Log Cabin acquisitions. | | | H | H/M |
| I250 | 12 | | 2f | Carey/Holder/Issaquah Creek Confluence: 120 acre site proposed for a conservation easement. Plan includes increased fenced buffers (100 ft for named tributaries and 50 ft. for unnamed tributaries), and restricted access to the riparian corridor. Same project as called out in Reach 1 of Carey and Holder Creeks. | \$1.3 million (KC, SRFB, CFT) | | H | H |